

**TRANSMISSION PROTOCOL AUTOMATIC DETECTION METHOD  
FOR A PORTABLE OBJECT SUCH AS A CHIP CARD OR A CHIP KEY**

**ABSTRACT**

A processing method for data exchanged between a portable object and an interface device, the portable object being of a chip card or chip key type, wherein the method involves receiving an initial signal from the interface device, wherein the initial signal is received after transmission of a response upon turning on the portable object, sampling said initial signal according to at least one of a first speed and a second speed associated with a first protocol and a second protocol in the portable object, comparing, in the portable object, at least one sample of a resulting sampling signal to at least one key protocol condition corresponding to one of the first protocol and the second protocol, and processing data exchanged according to one of the first protocol and the second protocol based on the result of the comparison in the portable object.